

AMENDMENTS TO THE SPECIFICATION

In the Specification:

Please replace the abstract with the following amended abstract.

Abstract of the Invention

The present invention relates to systems and methods that provide Web-based interaction with components (*e.g.*, controllers, devices, systems, computers, *etc.*) residing on both TCP/IP-based (*e.g.*, Ethernet/IP) and non-TCP/IP-based (*e.g.*, DeviceNet and ControlNet)-based networks within an industrial environment. The systems and methods utilize a novel approach wherein an interface component and an engine, along with software that enables Web functionality for non-TCP/IP-based networks and facilitates Web-based communication with components residing on various non-TCP/IP-based networks, are employed in connection with a computing system or a module. A user can access the interface component via any known means utilized to communicate with TCP/IP-based networks, such as an Internet connection and a Web browser. From the interface component, the engine can be invoked to discover disparate, non-TCP/IP-based networks and/or associated devices residing on non-TCP/IP-based networks, and/or provide access to such entities. In addition, the discovered devices can be dynamically updated to reflect a present state. The user and/or a device can employ the interface component to communicate with, monitor, control and configure any discovered device.